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NINTH MONTHLY PROGRESS REPORT  
NOVEMBER 1964

MICRODENSITOMETER CAPABILITY AND INTERPRETATION STUDY

This report covers the ninth month's activities on a program of studies of microdensitometer capability and interpretation techniques. The program has three objectives, which are: (1) the establishment of techniques which will enable a microdensitometer operator to use the instrument to its maximum capability and to interpret the data therefrom accurately, (2) a survey of existing instruments to study the most recent developments in microdensitometry; and (3) a study of the feasibility and effectiveness of various advances in the state-of-the-art.

Each of the three tasks has been continued during the reporting period. As of the end of the month, the percentage expenditure to date was 99%.

I. Mensuration Procedures and Data Interpretation

Effort on Task I has been concluded with the completion of the write-up of mensuration procedures and data interpretation techniques into the form of a microdensitometry handbook.

II. Equipment Capability

Effort on Task II is being concluded with the completion of the write-up of the results of the survey and instrument performance tests into a single report.

III. Feasibility Studies

The microdensitometer features that are considered most desirable, as a result of investigations conducted under all three tasks, are being incorporated into a report on advanced microdensitometer concepts.

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